

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080525\
 Data File : VX047229.D
 Acq On : 05 Aug 2025 10:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 06 05:38:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Semsettin Yesilyurt 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	261856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	438246	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	381507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184869	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142351	43.641	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.280%
35) Dibromofluoromethane	5.391	113	125535	46.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.780%
50) Toluene-d8	8.647	98	366541	41.829	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	83.660%#
62) 4-Bromofluorobenzene	11.079	95	169966	45.008	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.020%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	159265	45.791	ug/l	98
3) Chloromethane	1.313	50	141251	41.056	ug/l	98
4) Vinyl Chloride	1.392	62	173228	46.839	ug/l	98
5) Bromomethane	1.630	94	89333	44.467	ug/l	97
6) Chloroethane	1.703	64	102378	42.147	ug/l	99
7) Trichlorofluoromethane	1.904	101	267825	48.565	ug/l	99
8) Diethyl Ether	2.142	74	93239	47.952	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	161615	48.642	ug/l	99
10) Methyl Iodide	2.471	142	242001	71.467	ug/l	99
11) Tert butyl alcohol	2.953	59	76967	199.781	ug/l	99
12) 1,1-Dichloroethene	2.337	96	150649	45.779	ug/l	99
13) Acrolein	2.246	56	158115	225.124	ug/l	99
14) Allyl chloride	2.678	41	262335	44.101	ug/l	93
15) Acrylonitrile	3.075	53	347740	223.528	ug/l	99
16) Acetone	2.386	43	312629	239.246	ug/l	99
17) Carbon Disulfide	2.526	76	378366	39.744	ug/l	98
18) Methyl Acetate	2.709	43	191160	55.048	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	494300	49.355	ug/l	99
20) Methylene Chloride	2.800	84	168430	46.852	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	157668	46.821	ug/l	97
22) Diisopropyl ether	3.764	45	580758	50.780	ug/l	93
23) Vinyl Acetate	3.727	43	2196513	239.455	ug/l	99
24) 1,1-Dichloroethane	3.617	63	311666	49.007	ug/l	99
25) 2-Butanone	4.556	43	413092	217.108	ug/l	100
26) 2,2-Dichloropropane	4.483	77	251918	51.172	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	195075	48.920	ug/l	99
28) Bromochloromethane	4.904	49	137394	46.959	ug/l	99
29) Tetrahydrofuran	5.013	42	252244	205.469	ug/l	98
30) Chloroform	5.099	83	316172	48.840	ug/l	100
31) Cyclohexane	5.477	56	264492	43.374	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	275546	49.004	ug/l	98
36) 1,1-Dichloropropene	5.696	75	214743	46.558	ug/l	98
37) Ethyl Acetate	4.715	43	185951	43.752	ug/l	98
38) Carbon Tetrachloride	5.684	117	239727	48.696	ug/l	97
39) Methylcyclohexane	7.379	83	261720	45.447	ug/l	98
40) Benzene	6.038	78	637926	47.791	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	94217	42.397	ug/l	91
42) 1,2-Dichloroethane	6.086	62	232452	49.436	ug/l	98
43) Isopropyl Acetate	6.336	43	315277	47.583	ug/l	99
44) Trichloroethene	7.123	130	162935	47.601	ug/l	99
45) 1,2-Dichloropropane	7.428	63	167062	49.971	ug/l	94
46) Dibromomethane	7.580	93	115207	49.141	ug/l	99
47) Bromodichloromethane	7.818	83	252840	50.668	ug/l	99
48) Methyl methacrylate	7.690	41	164511	45.577	ug/l	99
49) 1,4-Dioxane	7.726	88	32109	782.124	ug/l #	73
51) 4-Methyl-2-Pentanone	8.574	43	887569	225.369	ug/l	99
52) Toluene	8.714	92	402793	49.076	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	238851	50.687	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	263737	51.137	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	153408	49.839	ug/l	97
56) Ethyl methacrylate	9.116	69	230888	50.669	ug/l	99
57) 1,3-Dichloropropane	9.305	76	261901	48.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	575459	226.941	ug/l	100
59) 2-Hexanone	9.427	43	596522	229.259	ug/l	99
60) Dibromochloromethane	9.519	129	185423	51.363	ug/l	100
61) 1,2-Dibromoethane	9.604	107	157085	48.807	ug/l	99
64) Tetrachloroethene	9.269	164	127938	46.519	ug/l	93
65) Chlorobenzene	10.080	112	446453	49.953	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	158440	52.655	ug/l	99
67) Ethyl Benzene	10.189	91	788412	50.453	ug/l	99
68) m/p-Xylenes	10.299	106	578651	98.951	ug/l	100
69) o-Xylene	10.640	106	283340	50.931	ug/l	100
70) Styrene	10.653	104	489306	51.293	ug/l	100
71) Bromoform	10.799	173	116363	50.908	ug/l	99
73) Isopropylbenzene	10.957	105	755222	51.781	ug/l	100
74) N-amyl acetate	10.842	43	278133	47.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	202866	48.694	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	167121m	48.840	ug/l	
77) Bromobenzene	11.195	156	177964	50.872	ug/l	99
78) n-propylbenzene	11.299	91	893910	51.289	ug/l	100
79) 2-Chlorotoluene	11.360	91	531808	51.045	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	620445	51.492	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	50149	37.759	ug/l	99
82) 4-Chlorotoluene	11.451	91	620100	50.993	ug/l	99
83) tert-Butylbenzene	11.713	119	633254	52.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	617119	51.348	ug/l	97
85) sec-Butylbenzene	11.884	105	785717	51.997	ug/l	99
86) p-Isopropyltoluene	12.006	119	644549	51.436	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	337617	50.792	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	335866	49.874	ug/l	99
89) n-Butylbenzene	12.329	91	607992	51.737	ug/l	99
90) Hexachloroethane	12.536	117	118731	52.963	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	317866	50.035	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38188	47.753	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	216326	51.539	ug/l	100
94) Hexachlorobutadiene	13.719	225	71694	50.224	ug/l	98
95) Naphthalene	13.774	128	607409	49.364	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	202811	50.155	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

